Statistics

Estination ve estimate parameters from data. we estimate averages for % []'s in the hoxforn samples

Jood values for our estimate

A confidence interval (CI).

La range that is likely

to contain the face parameter.

For our bux rodel draws A (1-x).100% CI /95%, i) when <=0.05) Statistic + (Z)-S). SE ZI-a is 1- & guantile
of the Handard normal
dut. R: g norm $\left(1-\frac{\alpha}{\alpha}\right)$

The entire Real line)

0% CI

=) d=1

== 1

== 2 = 0

Statistic ± 0.

CI interpretation

Parameter is fixed it's either in or not in a particular CI. CI is randon since It's a function of our sample.

Probabilistic larguage on parameter doesn't nake serse.

My interpretation

Tor asolo ct

The ve could repeat
the experiment (exactly)
we'd expect (average)
that 95 out of 100 (I's
would contain the true parameter?

Inreal lifue get usually 4 Ct, and we don't know the parar-Boo tstrapping Have some bux, have Surples from bux 1. Troat the surples as representative of entire box "est box= 2. Use "est hox" to estimate sal of real box EX.
TOO surples, bihary bux

POP >>> 100 get 20 Ths

"Est bux"

2010 8010)

ruse set of this max
as estimate for set

of actual box.